


+

PTO/SB/08A (08-00)

<div style="text-align: right;">  Substitute for form 1449A/PTO </div> <div style="text-align: center;"> INFORMATION DISCLOSURE STATEMENT BY APPLICANT </div> <div style="text-align: center;"> <i>(use as many sheets as necessary)</i> </div>				<i>Complete if Known</i>	
				Application Number	09/844,271
				Filing Date	April 30, 2001
				First Named Inventor	THEKKATH
				Group Art Unit	2132 2157
				Examiner Name	Unassigned
Sheet	1	of	2	Attorney Docket Number	MTEC-007/00US (0124.00US)

[illegible][illegible]

Examiner Signature		Date Considered	8/13/04
-----------------------	--	--------------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number.

² See attached Kinds of U.S. Patent Documents.

³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.

⁶ Applicant is to place a check mark here if English language Translation is attached.

648517 v1/PA

DW#D01!.DOC

Please type a plus sign (+) inside this box →

+

PTO/SB/08A (08-00)

Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Application Number	09/844,271
Filing Date	April 30, 2001
First Named Inventor	THEKKATH
Group Art Unit	2122 2157
Examiner Name	Unassigned
Attorney Docket Number	MTEC-007/00US (0124.00US)

Sheet 2 of 2

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
Y.D.	C1	MIPS64 5Kc™ Processor Core Datasheet, Revision 1.7.4, pp1-40, December 14, 1999	
	C2	MIPS64 5Kc™ Processor Core Datasheet, Revision 1.7.5, pp1-40, August 11, 2000	
	C3	MIPS64 5Kc™ Processor Core Datasheet, Revision 2.0, pp1-44, August 28, 2000	
	C4	MIPS64™ 5Kf™ Processor Core Datasheet, Revision 00.11, pp1-44, March 30, 2001	
Y.D.	C5	MIPS64 5Kc™ Processor Core Software User's Manual, Revision 2.2, pp1-580, August 11, 2000	

RECEIVED

JUN 12 2003

Technology Center 2100

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number.

² Applicant is to place a check mark here if English language Translation attached.

Form PTO-1449 (modified)Atty. Docket No.
UNTD:021Serial No.
09/834,785

List of Patents and Publications for Applicant's

Applicant
EDWARD A. HUBBARD**INFORMATION DISCLOSURE STATEMENT**

(Use several sheets if necessary)

Filing Date:
April 13, 2001Group:
~~2452~~ 2157U.S. Patent Documents
See Pages 1-2Foreign Patent Documents
N/AOther Art
See Page 3-5**U.S. Patent Documents**

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
Y.D	A1	4,669,730	06/02/87	Small	273	138	
	A2	4,815,741	03/28/89	Small	273	138	
	A3	5,056,019	10/08/91	Schultz et al.	364	405	
	A4	5,332,218	07/26/94	Lucey	273	138	
	A5	5,483,444	01/09/96	Heintzeman et al.	364	401	
	A6	5,598,566	01/28/97	Pascucci et al.	395	750	
	A7	5,703,949	12/30/97	Rosen	380	21	
	A8	5,802,062	09/01/98	Gehani et al.	370	465	
	A9	5,815,793	09/29/98	Ferguson	455	31	
	A10	5,826,265	10/20/98	Van Huben et al.	707	8	
	A11	5,862,325	01/19/99	Reed et al.	395	200.31	
	A12	5,884,072	03/16/99	Rasmussen	395	600	
	A13	5,909,540	06/01/99	Carter et al.	395	182.02	
	A14	5,916,024	06/29/99	Von Kohorn	463	40	
	A15	5,918,229	06/29/99	Davis et al	707	10	
	A16	5,921,865	07/13/99	Scagnelli et al.	463	17	
	A17	5,937,192	08/10/99	Martin	395	705	
	A18	5,958,010	09/28/99	Agarwal et al.	709	224	
	A19	5,966,451	10/12/99	Utsumi	380	49	
	A20	5,970,469	10/19/99	Scroggie et al.	705	14	
	A21	5,970,477	10/19/99	Roden	705	32	
	A22	5,987,506	11/16/99	Carter et al.	709	213	
Y.D	A23	6,003,065	12/14/99	Yan et al.	709	201	

Examiner:

Dakson

Date Considered:

8/13/04

EXAMINER: initial if reference considered, whether or not citation is in conformance with MPEP609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 (modified)Atty. Docket No.
UNTD:021Serial No.
09/834,785

List of Patents and Publications for Applicant's

Applicant
EDWARD A. HUBBARD**INFORMATION DISCLOSURE STATEMENT**

(Use several sheets if necessary)

Filing Date:
April 13, 2001Group:
~~2152~~ 2157U.S. Patent Documents
See Pages 1-2Foreign Patent Documents
N/AOther Art
See Page 3-5**U.S. Patent Documents**

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
Y.D.	A24	6,009,455	12/28/99	Doyle	709	201	
	A25	6,014,634	01/11/00	Scroggie et al.	705	14	
	A26	6,024,640	02/15/00	Walker et al.	463	17	
	A27	6,026,474	02/15/00	Carter et al.	711	202	
	A28	6,052,785	04/18/00	Lin et al.	713	201	
	A29	6,058,393	05/02/00	Meier et al.	707	10	
	A30	6,061,660	05/09/00	Eggleston et al.	705	14	
	A31	6,070,190	05/30/00	Reps et al.	709	224	
	A32	6,094,654	07/25/00	Van Huben et al.	707	8	
	A33	6,112,225	08/29/00	Kraft et al.	709	202	
	A34	6,112,304	08/29/00	Clawson	713	156	
	A35	6,112,181	08/29/00	Shear et al.	705	1	
	A36	6,115,713	09/05/00	Pascucci et al.	707	10	
	A37	6,148,335	11/14/00	Haggard et al.	709	224	
	A38	6,148,377	11/14/00	Carter et al.	711	147	
	A39	6,151,684	11/21/00	Alexander et al.	714	4	
	A40	5,964,832	10/12/99	Kisor	709	202	
	A41	5,655,081	08/05/97	Bonnell et al.	395	200.32	
	A42	5,978,594	11/02/99	Bonnell et al.	395	837	
Y.D.	A43	5,740,549	04/14/98	Reilly et al.	705	14	

Examiner:

D. Stevenson

Date Considered:

8/13/04

EXAMINER: initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 (modified)Atty. Docket No.
UNTD:021Serial No.
09/834,785

List of Patents and Publications for Applicant's

Applicant
EDWARD A. HUBBARD**INFORMATION DISCLOSURE STATEMENT**

(Use several sheets if necessary)

Filing Date:
April 13, 2001Group:
~~2452~~ 2157U.S. Patent Documents
See Pages 1-2Foreign Patent Documents
N/AOther Art
See Page 3-5**Foreign Patent Documents**

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B1						

Other Art (Including Author, Title, Date, Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
Y.1	C1	Brian Hayes, "Computing Science: Collective Wisdom," <i>American Scientist</i> , March-April 1998
	C2	Steve Lawrence, et al., "Accessibility of information on the web," <i>Nature</i> , Vol. 400, pp. 107-109, July 1999
	C3	Steve Lawrence, et al., "Searching the World Wide Web," <i>Science</i> , Vol. 280, pp. 98-100, April 3, 1998
	C4	Steve Lawrence, et al., "Context and Page Analysis for Improved Web Search," <i>IEEE Internet Computing</i> , pp. 38-46, July-August 1998
	C5	Vasken Bohossian, et al., "Computing in the RAIN: A Reliable Array of Independent Nodes," California Institute of Technology, September 24, 1999
	C6	"A White Paper: The Economic Impacts of Unacceptable Web-Site Download Speeds," Zona Research, Inc., pp. 1-17, April 1999
	C7	Peter J. Sevcik, "The World-Wide-Wait Status Report," <i>Northeast Consulting Resources, Inc.</i> , Global Internet-Performance Conference, October 14, 1999
	C8	"White Paper: Max, and the Objective Measurement of Web Sites," WebCriteria, Version 1.00, pp. 1-11, March 12, 1999
	C9	Renu Tewari, et al., "Design Considerations for Distributed Caching on the Internet," pp. 1-13, May 1999
	C10	"Measuring and Improving Your E-Commerce Web Site Performance with Keynote Perspective," Keynote Systems, pp. 1-15, March 29, 2000
Y.1	C11	Sullivan, et al., "A New Major SETI Project Based On Project Serendip Data and 100,000 Personal Computers," Proc of the Fifth Intl Conf on Bioastronomy IAU Colloq No. 161, pp. 729-734, 1997

Examiner: *Dale W. Coons*Date Considered: *8/13/04*

EXAMINER: initial if reference considered, whether or not citation is in conformance with MPEP609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 (modified)

Atty. Docket No.

UNTD:021

Serial No.

09/834,785

List of Patents and Publications for Applicant's

Applicant

EDWARD A. HUBBARD

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Filing Date:

April 13, 2001

Group:

2152 2157

U.S. Patent Documents

See Pages 1-2

Foreign Patent Documents

N/A

Other Art

See Page 3-5

Other Art (Including Author, Title, Date, Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
Y.D	C12	Caronni, et al., "How Exhausting is Exhaustive Search?" RSA Laboratories' CryptoBytes, Vol. 2, No. 3, pp. 2-6, Jan-Mar 1997.
	C13	Bricker, et al., "Condor Technical Summary," Computer Sciences Dept., University of Wisconsin, Version 4.1b, pp.1-10, Jan. 28, 1992.
	C14	Fields, "Hunting for Wasted Computing Power-New Software for Computing Networks Puts Idle PC's to Work," 1993 Research Sampler, University of Wisconsin, pp. 1-5, 1993.
	C15	Anderson, et al., "SETI@home: Internet Distributed Computing for SETI," A New Era in Bioastronomy, ASP Conference Series, Vol. 213, pp. 511-517, 2000.
	C16	Bowyer, et al., "Twenty Years of Serendip, the Berkeley SETI Effort: Past Results and Future Plans," Astronomical and Biochemical Origins and the Search for Life in the Universe, pp. 667-676, 1997.
	C17	Litzkow, et al., "Condor - A Hunter of Idle Workstations," The 8 th International Conf. on Distributed Computing Systems, pp.104-111, 1988.
	C18	Hamidzadeh, et al., "Dynamic Scheduling Techniques for Heterogeneous Computing Systems," Concurrency: Practice and Experience, Vol. 7(7), pp. 633-652, 1995.
	C19	Grimshaw, et al., "The Legion Vision of a Worldwide Virtual Computer," Communications of the ACM, Vol. 40, No. 1, pp. 39-45, 1997.
	C20	Catlett, et al., "Metacomputing," Communications of the ACM, Vol. 35, No. 6, pp. 44-52, 1992.
	C21	Foster, et al., "Globus: A Metacomputing Infrastructure Toolkit," The International Journal of Supercomputer Applications and High Performance Computing, Vol. 11, No. 2, pp. 115-128, 1997.
	C22	Mutka, et al., "The Available Capacity of a Privately Owned Workstation Environment," Performance Evaluation 12 (1991) pp. 269-284.
	C23	Sullivan, et al., "A New Major SETI Project Based on Project Serendip Data and 100,000 Personal Computers," Astronomical and Biochemical Origins and the Search for Life in the Universe, 5 th International Conference on Bioastronomy, IAU Colloquium No. 161, pp. 729-734, 1996.
Y.D	C24	Gelernter, "Domesticating Parallelism," IEEE Computer, Aug. 1986, 19(8), pp. 12-16.

Examiner:

Date Considered:

EXAMINER: initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 (modified)Atty. Docket No.
UNTD:021Serial No.
09/834,785

List of Patents and Publications for Applicant's

Applicant
EDWARD A. HUBBARD**INFORMATION DISCLOSURE STATEMENT**

(Use several sheets if necessary)

Filing Date:
April 13, 2001Group:
~~2152~~ 2157U.S. Patent Documents
See Pages 1-2Foreign Patent Documents
N/AOther Art
See Page 3-5**Other Art (Including Author, Title, Date, Pertinent Pages, Etc.)**

Exam. Init.	Ref. Des.	Citation
Y. A	C25	Goldberg, et al., "A Secure Environment for Untrusted Helper Applications-Confining the Wily Hacker," 6 th USENIX Security Symposium, pp. 1-13, 1996.

Examiner:

D. Stevens

Date Considered:

8/13/04

EXAMINER: initial if reference considered, whether or not citation is in conformance with MPEP 909; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Form PTO-1449 (modified)

List of Patents and Publications for Applicant's

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Atty. Docket No.
UNTD:021Serial No.
09/834,785Applicant
Edward A. Hubbard

RECEIVED

FEB 27 2003

Filing Date:
April 13, 2001Group:
2152 2157 Technology Center 2100U.S. Patent Documents
See Page 1Foreign Patent Documents
See Page 1Other Art
See Page 1-2

U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
Y.D	A44	5,893,075	4/6/99	Plainfield et al.	705	14	
	A45	5,887,143	3/23/99	Saito et al.	395 709	200 248	
	A46	5,768,504	6/16/98	Kells et al.	395 713	187.01 201	
	A47	5,842,219	11/24/98	High, Jr. et al.	707	103R	
	A48	6,374,254	4/16/02	Cochran et al.	707	102	
Y.D	A49	5,402,394	3/28/95	Turski	368	10	

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
Y.D	B1	01/73545	4 OCT 01	WO			English
Y.D	B2	01/14961	1 MAR 01	WO			English

Other Art (Including Author, Title, Date, Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
Y.D	C26	distributed.net: The fastest computer on Earth: Feb 08, 1999, http://web.archive.org/web/19990221230053/http://distributed
	C27	London et al., "POPCORN - A Paradigm for Global-Computing", THESIS UNIVERSITY JERUSALEM, June 1998 (1998-06)
	C28	Takagi H. et al., "Ninplet: a migratable parallel objects framework using Java", JAVA FOR HIGH-PERFORMANCE NETWORK COMPUTING, Syracuse, NY, USA, 2/1998, Vol. 10, No. 11-13, pp 1063-1078.
Y.S	C29	Waldspurger, C.A. et al., "Spawn: a distributed computational economy" IEEE TRANSACTIONS ON SOFTWARE ENGINEERING, IEEE INC., NY, US, 2/1992, Vol. 18, No. 2, pp. 103-117

Examiner: *Dale Korn*

Date Considered: 8/13/04

EXAMINER: initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.


Form PTO-1449 (modified)

List of Patents and Publications for Applicant's

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Atty. Docket No.
UNTD:021Serial No.
09/834,785Applicant
Edward A. HubbardFiling Date:
April 13, 2001Group:
2152U.S. Patent Documents
See Page 1Foreign Patent Documents
See Page 1Other Art
See Page 1-2**Other Art (Including Author, Title, Date, Pertinent Pages, Etc.)**

Exam. Init.	Ref. Des.	Citation
	C30	Neary, M. O., et al., "Javelin: Parallel computing on the internet" FUTURE GENERATIONS COMPUTER SYSTEMS, ELSEVIER SCIENCE PUBLISHERS, Amsterdam, NL, 10/1999, Vol. 15, no. 5-6, pp. 661-664
	C31	Foster, Ian et al., "The Physiology of the Grid," This is a DRAFT document and continues to be revised. Version 2/17/2002
	C32	Douceur, John R. et al., "A Large-Scale Study of File-System Contents," Microsoft Research, Redmond, WA 98052, May 1999
	C33	Bolosky, William J. et al., "Feasibility of a Serverless Distributed File System Deployed on an Existing Set of Desktop PCs," Microsoft Research, Redmond, WA 98052, June 2000

RECEIVED
FEB 27 2003
 Technology Center 2100

Examiner:**Date Considered:**

EXAMINER: initial if reference considered, whether or not citation is in conformance with MPEP609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 (modified)

Atty. Docket No.

UNTD:021

Serial No.

09/834,785

List of Patents and Publications for Applicant's

Applicant

Edward A. Hubbard

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Filing Date:

April 13, 2001

Group:

~~2152~~ 2157

U.S. Patent Documents

See Page 1

Foreign Patent Documents

See Page N/A

Other Art

See Page 1

U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
Y.D	A58	6,418,462	7/9/02	Xu	709	201	
Y.D	A59	6,463,457	10/8/02	Armentrout et al.	709	201	

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No

Other Art (Including Author, Title, Date, Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
Y.D	C34	Regev, Ori; Economic Oriented CPU Sharing System for the Internet; Master of Science in Computer Science thesis; Institute of Computer Science; The Hebrew University of Jerusalem; July, 1998
Y.D	C35	May, Michael; Idle Computing Resources as Micro-Currencies – Bartering CPU Time for Online Content; AACE WebNet99; Oct. 25-30, 1999
Y.D	C36	May, Michael; Distributed RC5 Decryption as a Consumer for Idle – Time Brokerage; DCW99 Workshop on Distributed Computer on the Web; June 21-23, 1999
Y.D	C37	May, Michael; Locust – A Brokerage System for Accessing Idle Resources for Web-Computing; Proceedings of the 25 th Euromicro Conference; Vol. 2, pp. 466-473; September 8-10, 1999
Y.D	C38	Huberman, Bernardo A., et al.; Distributed Computation as an Economic System; Journal of Economic Perspectives; Vol. 9, No. 1; pp. 141-152; Winter 1995

RECEIVED

JUN 13 2003

Technology Center 2100

Examiner:

Dale W. ...

Date Considered:

8/13/02

EXAMINER: initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.